

I Claim:

Sub H 1
 1. Apparatus adapted for a user to control
 a computer comprising:

5 display means connected to the computer for
 displaying objects on a screen;

10 glove means adapted to be worn on a hand of
 the user, the glove means including gesture sensing
 means coupled to the glove means for detecting flexure
 of fingers of the user's hand and position sensing
 means couple to the glove means for detecting position
 of the hand with respect to the display means; and

15 interface means for coupling the glove means
 to the display means to control the display means in
 response to the flexure of fingers and the position of
 the hand.

20 2. Apparatus as in Claim 1 wherein the
 position sensing means comprises transmitting means
 affixed to the glove for transmitting signals to
 receiving means disposed about the display means.

25 3. Apparatus as in Claim 2 wherein the
 gesture sensing means further comprises flexure sensors
 affixed to the glove means to detect the extent of
 bending of the fingers of the user.

30 4. Apparatus as in Claim 2 wherein the
 transmitting means transmits ultrasonic signals.

5. Apparatus as in Claim 4 wherein the
 receiving means comprises a plurality of receivers of
 ultrasonic signals disposed about the screen.

Claim 6
mark
 35 *Sub H 2* 6. Apparatus as in Claim 5 wherein the
 plurality is three and the three receivers are not
 linearly arranged.

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~~7.~~ Apparatus as in Claim 5 wherein the interface means includes circuitry coupled to the flexure sensors and to the plurality of receivers.

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~~8.~~ Apparatus as in Claim 1 wherein the ~~display means~~ is adapted to display a representation of a hand which mirrors the position and flexure of fingers of the user's hand.

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~~9.~~ Apparatus as in Claim 4 wherein the transmitting means comprises a plurality of transmitters.

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~~10.~~ Apparatus as in Claim 1 wherein the interface means includes a cable connecting the glove means to the computer.

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~~11.~~ Apparatus as in Claim 1 wherein the interface means includes an electromagnetic transmitter connecting the glove means to the computer.

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~~12.~~ Apparatus as in Claim 1 wherein the interface means includes an optical transmitter/receiver connecting the glove means to the computer.

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